Performance Data Sheet

AJB2444ZXC

General Information

Model	AJB2444ZXC	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2490	2230	1970	1710	1460	1200	952
	Watts	747	733	718	703	687	670	652
	Amps	3.62	3.57	3.51	3.45	3.39	3.33	3.26
	Lb/h	42.8	40.2	37.5	34.8	32.0	29.1	26.2
-35	Btu/h	3020	2700	2380	2060	1750	1430	1120
	Watts	806	797	788	778	767	756	744
	Amps	3.83	3.80	3.76	3.73	3.69	3.65	3.61
	Lb/h	51.4	48.4	45.3	42.2	39.0	35.8	32.5
-30	Btu/h	3600	3220	2840	2460	2090	1710	1340
	Watts	864	861	857	853	848	842	836
	Amps	4.03	4.03	4.02	4.01	4.00	3.98	3.96
	Lb/h	61.0	57.6	54.1	50.7	47.1	43.5	39.9
-25	Btu/h	4240	3800	3360	2920	2480	2050	1610
	Watts	922	925	927	928	929	929	928
	Amps	4.25	4.26	4.28	4.29	4.31	4.32	4.33
	Lb/h	71.6	67.8	64.0	60.2	56.3	52.3	48.3
-20	Btu/h	4940	4430	3930	3430	2930	2430	1930
	Watts	980	989	997	1000	1010	1020	1020
	Amps	4.46	4.51	4.55	4.59	4.63	4.66	4.70
	Lb/h	83.2	79.1	75.0	70.8	66.6	62.3	58.0
-15	Btu/h	5680	5120	4550	3990	3430	2860	2310
	Watts	1040	1050	1070	1080	1090	1110	1120
	Amps	4.69	4.76	4.83	4.89	4.96	5.02	5.08
	Lb/h	96.0	91.6	87.2	82.7	78.2	73.6	68.9
-10	Btu/h	6480	5850	5220	4600	3970	3350	2720
	Watts	1100	1120	1140	1160	1180	1200	1220
	Amps	4.92	5.02	5.12	5.21	5.30	5.39	5.48
	Lb/h	110	105	101	95.8	91.0	86.1	81.2
-5	Btu/h	7320	6630	5940	5250	4560	3870	3190
	Watts	1160	1190	1220	1240	1270	1290	1320
	Amps	5.17	5.30	5.42	5.54	5.66	5.77	5.89
	Lb/h	125	120	115	110	105	100	94.8

0	Btu/h	8210	7460	6700	5950	5200	4450	3700
	Watts	1230	1260	1300	1330	1360	1390	1420
	Amps	5.43	5.58	5.73	5.88	6.03	6.17	6.32
	Lb/h	142	137	131	126	121	115	110
5	Btu/h	9150	8330	7510	6690	5880	5060	4250
	Watts	1300	1340	1380	1420	1460	1490	1530
	Amps	5.71	5.89	6.07	6.24	6.42	6.59	6.76
	Lb/h	160	155	149	144	138	132	127
10	Btu/h	10100	9250	8360	7480	6600	5720	4840
	Watts	1370	1420	1460	1510	1560	1600	1650
	Amps	6.01	6.21	6.42	6.63	6.83	7.03	7.23
	Lb/h	180	174	168	162	157	151	145

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.426328E+04	9.517176E+02	4.208793E+00	1.834100E+02
C2	2.845269E+02	2.828110E+00	9.540700E-03	3.886757E+00
C3	-7.562644E+01	3.428937E+00	1.524825E-02	-5.188867E-01
C4	9.988322E-01	3.883627E-02	2.253619E-04	2.547833E-02
C5	-1.262731E+00	1.304148E-01	5.479085E-04	-5.326639E-03
C6	-1.737068E-03	1.281139E-03	3.716367E-06	8.990071E-05
C7	-2.028422E-03	7.989033E-04	2.461873E-06	8.979945E-05
C8	-1.050070E-03	3.404033E-04	1.083910E-06	3.612282E-05
C9	-9.389706E-05	1.900492E-05	6.723894E-08	1.550732E-06
C10	1.971552E-05	-1.232201E-05	-3.622740E-08	-9.437564E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature